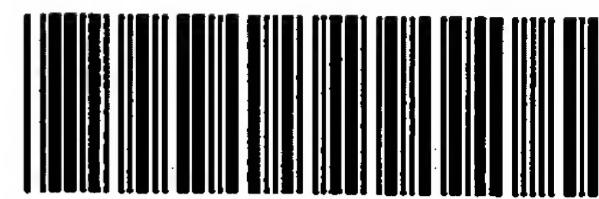


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The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/618,934A
Source: 1Fw/b
Date Processed by STIC: 3/8/06

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IFW/6

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PATENT APPLICATION: US/10/618,934A

DATE: 03/08/2006

TIME: 12:59:12

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3 <110> APPLICANT: Sierkstra, Laurens Nicolaas
4     Klugkist, Jan
5     Markvardsen, Peter
6     Von der Osten, Claus
7     Bauditz, Peter
9 <120> TITLE OF INVENTION: Protease Variants and Compositions
11 <130> FILE REFERENCE: 4322.230-US
-> 13 <140> CURRENT APPLICATION NUMBER: US/10/618,934A
-> 13 <141> CURRENT FILING DATE: 2003-07-14
13 <160> NUMBER OF SEQ ID NOS: 41
15 <170> SOFTWARE: PatentIn version 3.3
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18 <211> LENGTH: 39
19 <212> TYPE: DNA
20 <213> ORGANISM: Artificial Sequence
22 <220> FEATURE:
23 <223> OTHER INFORMATION: Synthetic
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32 <213> ORGANISM: Artificial Sequence
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35 <223> OTHER INFORMATION: Synthetic
37 <400> SEQUENCE: 2
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44 <213> ORGANISM: Artificial Sequence
46 <220> FEATURE:
47 <223> OTHER INFORMATION: Synthetic
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55 <212> TYPE: DNA
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59 <223> OTHER INFORMATION: Synthetic
61 <400> SEQUENCE: 4
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/618,934A

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TIME: 12:59:12

Input Set : A:\06-SQ Listing-27 Feb 2006.txt

Output Set: N:\CRF4\03072006\J618934A.raw

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 79 <212> TYPE: DNA
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 91 <212> TYPE: PRT
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 100 His Ser Gln Gly Tyr Thr Gly Ser Asn Val Lys Val Ala Val Ile Asp
 101 20 25 30
 104 Ser Gly Ile Asp Ser Ser His Pro Asp Leu Lys Val Ala Gly Gly Ala
 105 35 40 45
 108 Ser Met Val Pro Ser Glu Thr Asn Pro Phe Gln Asp Asn Asn Ser His
 109 50 55 60
 112 Gly Thr His Val Ala Gly Thr Val Ala Ala Leu Asn Asn Ser Ile Gly
 113 65 70 75 80
 116 Val Leu Gly Val Ala Pro Ser Ala Ser Leu Tyr Ala Val Lys Val Leu
 117 85 90 95
 120 Gly Ala Asp Gly Ser Gly Gln Tyr Ser Trp Ile Ile Asn Gly Ile Glu
 121 100 105 110
 124 Trp Ala Ile Ala Asn Asn Met Asp Val Ile Asn Met Ser Leu Gly Gly
 125 115 120 125
 128 Pro Ser Gly Ser Ala Ala Leu Lys Ala Ala Val Asp Lys Ala Val Ala
 129 130 135 140
 132 Ser Gly Val Val Val Ala Ala Ala Gly Asn Glu Gly Thr Ser Gly
 133 145 150 155 160
 136 Ser Ser Ser Thr Val Gly Tyr Pro Gly Lys Tyr Pro Ser Val Ile Ala
 137 165 170 175
 140 Val Gly Ala Val Asp Ser Ser Asn Gln Arg Ala Ser Phe Ser Ser Val
 141 180 185 190
 144 Gly Pro Glu Leu Asp Val Met Ala Pro Gly Val Ser Ile Gln Ser Thr
 145 195 200 205
 148 Leu Pro Gly Asn Lys Tyr Gly Ala Tyr Asn Gly Thr Ser Met Ala Ser
 149 210 215 220

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/618,934A

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Output Set: N:\CRF4\03072006\J618934A.raw

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153 225 230 235 240
156 Trp Thr Asn Thr Gln Val Arg Ser Ser Leu Glu Asn Thr Thr Thr Lys
157 245 250 255
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164 Ala Ala Gln
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173 <400> SEQUENCE: 8
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180 20 25 30
183 Ala Lys Tyr Pro Phe Ser Ser Ala Gly Ser Glu Leu Asp Val Met Ala
184 35 40 45
187 Pro
191 <210> SEQ ID NO: 9
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193 <212> TYPE: PRT
194 <213> ORGANISM: Bacillus subtilis DY
196 <400> SEQUENCE: 9
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199 1 5 10 15
202 Tyr Ala Ser Ser Cys Ser Ser Gly Ser Gln Asn Thr Ile Gly Tyr Pro
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206 Ala Lys Tyr Asp Phe Ser Ser Val Gly Ala Glu Leu Glu Val Met Ala
207 35 40 45
210 Pro
214 <210> SEQ ID NO: 10
215 <211> LENGTH: 49
216 <212> TYPE: PRT
217 <213> ORGANISM: Bacillus licheniformis
219 <400> SEQUENCE: 10
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222 1 5 10 15
225 Tyr Ala Arg Ser Gly Ser Ser Gly Asn Thr Asn Thr Ile Gly Tyr Pro
226 20 25 30
229 Ala Lys Tyr Asp Phe Ser Ser Val Gly Ala Glu Leu Glu Val Met Ala
230 35 40 45
233 Pro
237 <210> SEQ ID NO: 11
238 <211> LENGTH: 45
239 <212> TYPE: PRT
240 <213> ORGANISM: Bacillus alcalophilus PB92
242 <400> SEQUENCE: 11

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/618,934A

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Input Set : A:\06-SQ Listing-27 Feb 2006.txt
Output Set: N:\CRF4\03072006\J618934A.raw

244 Gly Ser Pro Ser Pro Ser Ala Thr Leu Glu Gln Ala Val Asn Ser Ala
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248 Thr Ser Arg Ser Gly Ala Gly Ser Ile Ser Tyr Pro Ala Arg Tyr Ala
249 20 25 30
252 Phe Ser Gln Tyr Gly Ala Gly Leu Asp Ile Val Ala Pro
253 35 40 45
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268 20 25 30
271 Phe Ser Gln Tyr Gly Ala Gly Leu Asp Ile Val Ala Pro
272 35 40 45
275 <210> SEQ ID NO: 13
276 <211> LENGTH: 45
277 <212> TYPE: PRT
278 <213> ORGANISM: Bacillus lenthus
280 <400> SEQUENCE: 13
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283 1 5 10 15
286 Asn Asn Ala Thr Gly Arg Gln Gly Val Asn Tyr Pro Ala Arg Tyr Ser
287 20 25 30
290 Phe Ser Thr Tyr Gly Pro Glu Ile Glu Ile Ser Ala Pro
291 35 40 45
294 <210> SEQ ID NO: 14
295 <211> LENGTH: 46
296 <212> TYPE: PRT
297 <213> ORGANISM: Bacillus subtilis 168
299 <400> SEQUENCE: 14
301 Gly Thr Thr Ser Asp Ser Lys Ile Leu His Asp Ala Val Asn Lys Ala
302 1 5 10 15
305 Tyr Glu Gln Asp Gly Asn Gly Lys Pro Val Asn Tyr Pro Ala Ala Tyr
306 20 25 30
309 Ser Phe Ser Thr Thr Gly Asp Glu Val Glu Phe Ser Ala Pro
310 35 40 45
313 <210> SEQ ID NO: 15
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315 <212> TYPE: PRT
316 <213> ORGANISM: Bacillus subtilis IFO3013
318 <400> SEQUENCE: 15
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324 Val Lys Asn Glu Gly Asp Gly Asp Glu Arg Thr Glu Glu Leu Ser Tyr
325 20 25 30
328 Pro Lys Ala Tyr Asn Phe Ser Asn Ala Asn Lys Glu Ile Asp Leu Val

RAW SEQUENCE LISTING DATE: 03/08/2006
PATENT APPLICATION: US/10/618,934A TIME: 12:59:12

Input Set : A:\06-SQ Listing-27 Feb 2006.txt
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332 Ala Pro
333 50
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339 <213> ORGANISM: Thermoactinomyces vulgaris
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344 1 5 10 15
347 Trp Asn Lys Ala Gly Asn Thr Ala Pro Asn Tyr Pro Ala Tyr Tyr Ser
348 20 25 30
351 Phe Ser Thr Tyr Gly Ser Trp Val Asp Val Ala Ala Pro
352 35 40 45
355 <210> SEQ ID NO: 17
356 <211> LENGTH: 47
357 <212> TYPE: PRT
358 <213> ORGANISM: Dichelobacter nodosus
360 <400> SEQUENCE: 17
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363 1 5 10 15
366 Thr Thr Asn Leu Glu Asn Gln Asp Ala Ser Arg Thr Trp Pro Ser Ser
367 20 25 30
370 Cys Asn Phe Ser Asn Tyr Gly Ala Arg Val His Leu Ala Ala Pro
371 35 40 45
374 <210> SEQ ID NO: 18
375 <211> LENGTH: 47
376 <212> TYPE: PRT
377 <213> ORGANISM: Xanthomonas campestris
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386 20 25 30
389 Cys Ala Tyr Ser Asn Phe Gly Thr Gly Ile Asp Val Ser Ala Pro
390 35 40 45
393 <210> SEQ ID NO: 19
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395 <212> TYPE: PRT
396 <213> ORGANISM: Bacillus subtilis
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405 20 25 30
408 Ala Asn Pro Ala Asn Tyr Pro Phe Ser Leu Gln Gly Pro Ser Pro Tyr
409 35 40 45
412 Asp Glu Ile Lys Pro Glu Ile Ser Ala Pro
413 50 55

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/618,934A

DATE: 03/08/2006

TIME: 12:59:13

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13 M:271 C: Current Filing Date differs, Replaced Current Filing Date